

Cloud Translation: A Speech Recognition Market Opportunity

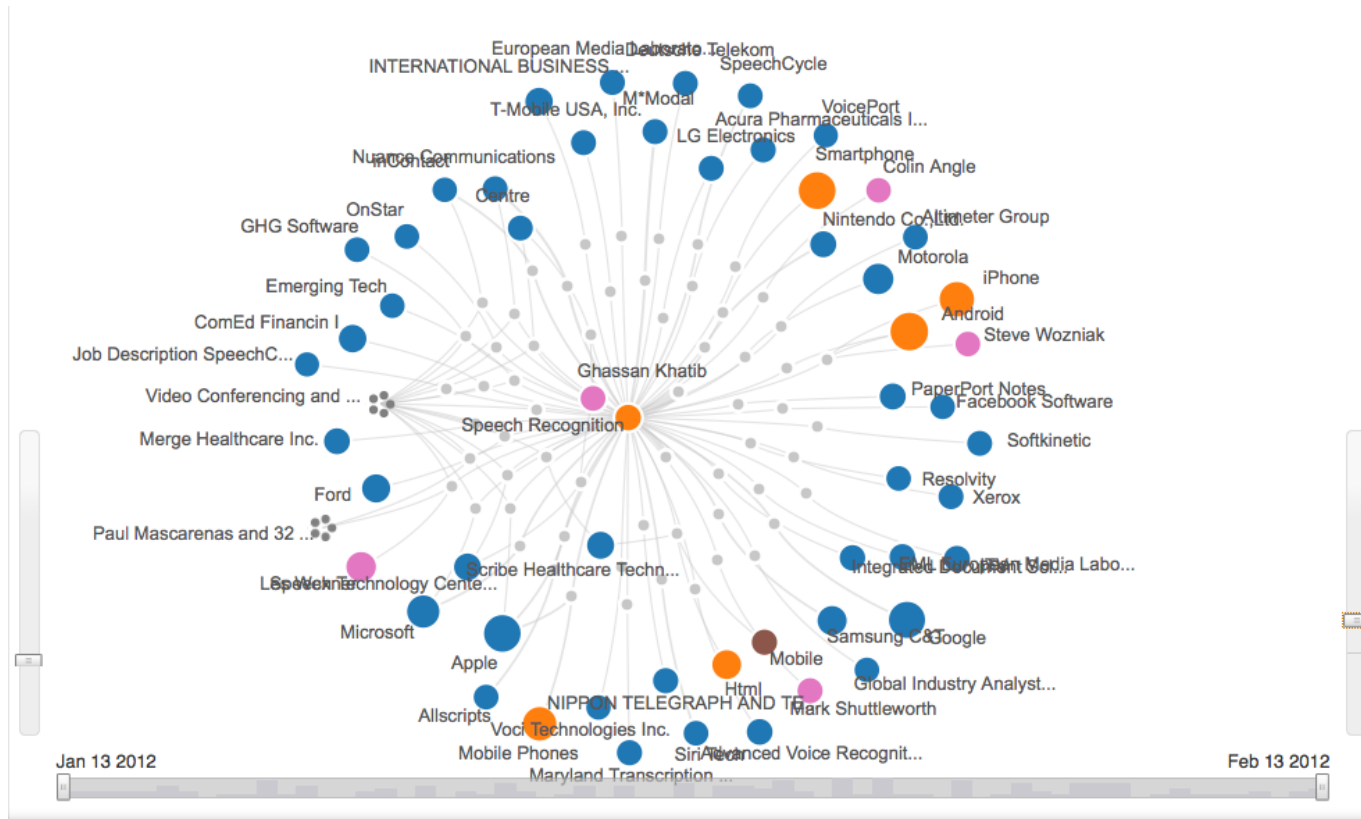
(Mobile Voice Presentation)

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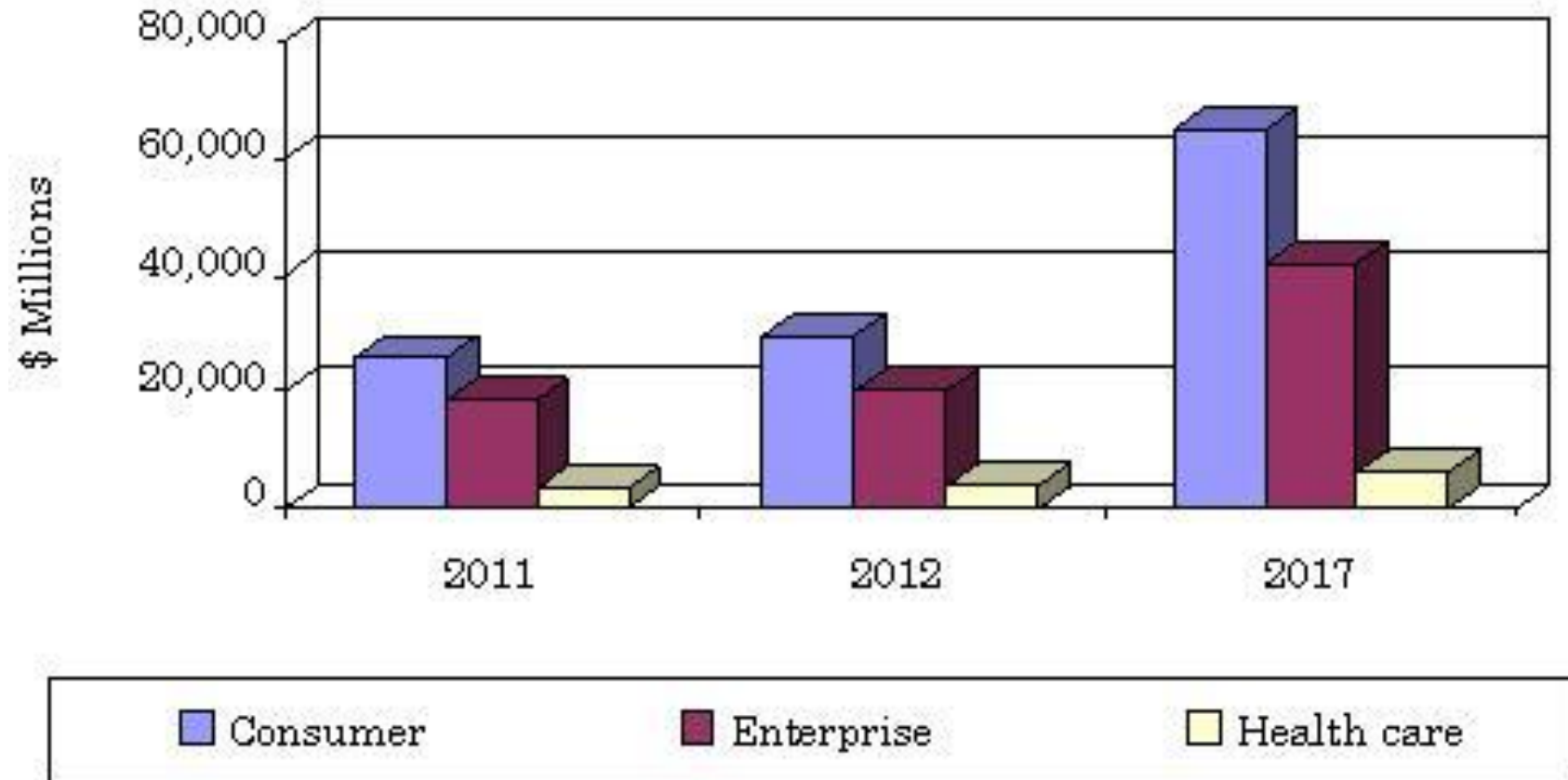
Future Speech Recognition Opportunities

- ▶ \$113 B market by 2017
- ▶ Consumer
- ▶ Enterprise
- ▶ Health

Future Players in Speech Market

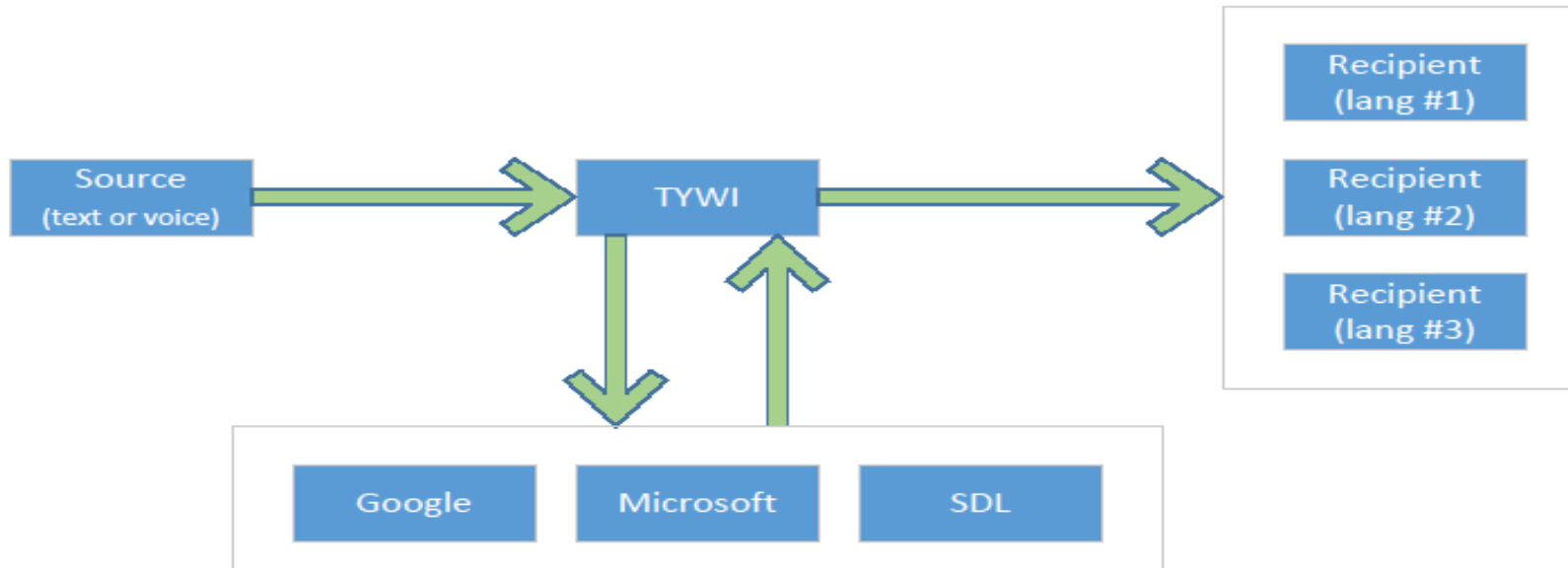


Future Direction of Speech Market



Cloud Translation

Translate Your World International Data Flow Overview



Nuance NDEV Mobile

High Quality SpeechToText on NDEV



The Industry's **FIRST** developer program to offer
Speech To Text and Text to Speech integration for
any mobile app

8000+ developers registered to date

iOS, Android, WP 7

www.ndevmobile.com



Nuance NDEV SDK

NDEV Mobile: Client SDK Technical Aspects

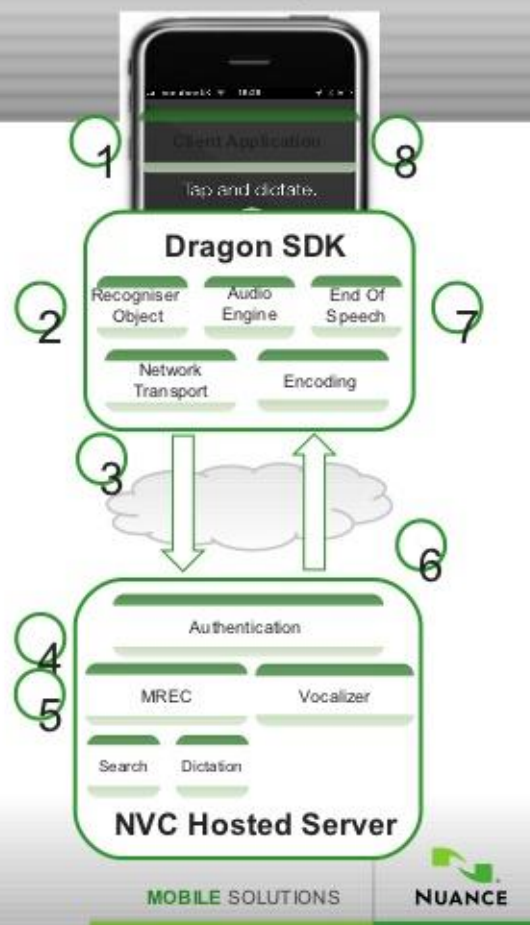
SDK Components

- Recognizer object
- Audio engine
- End of Speech Detection
- Encoding (compresses request to conserve bandwidth)
- Network Transport

Server Components

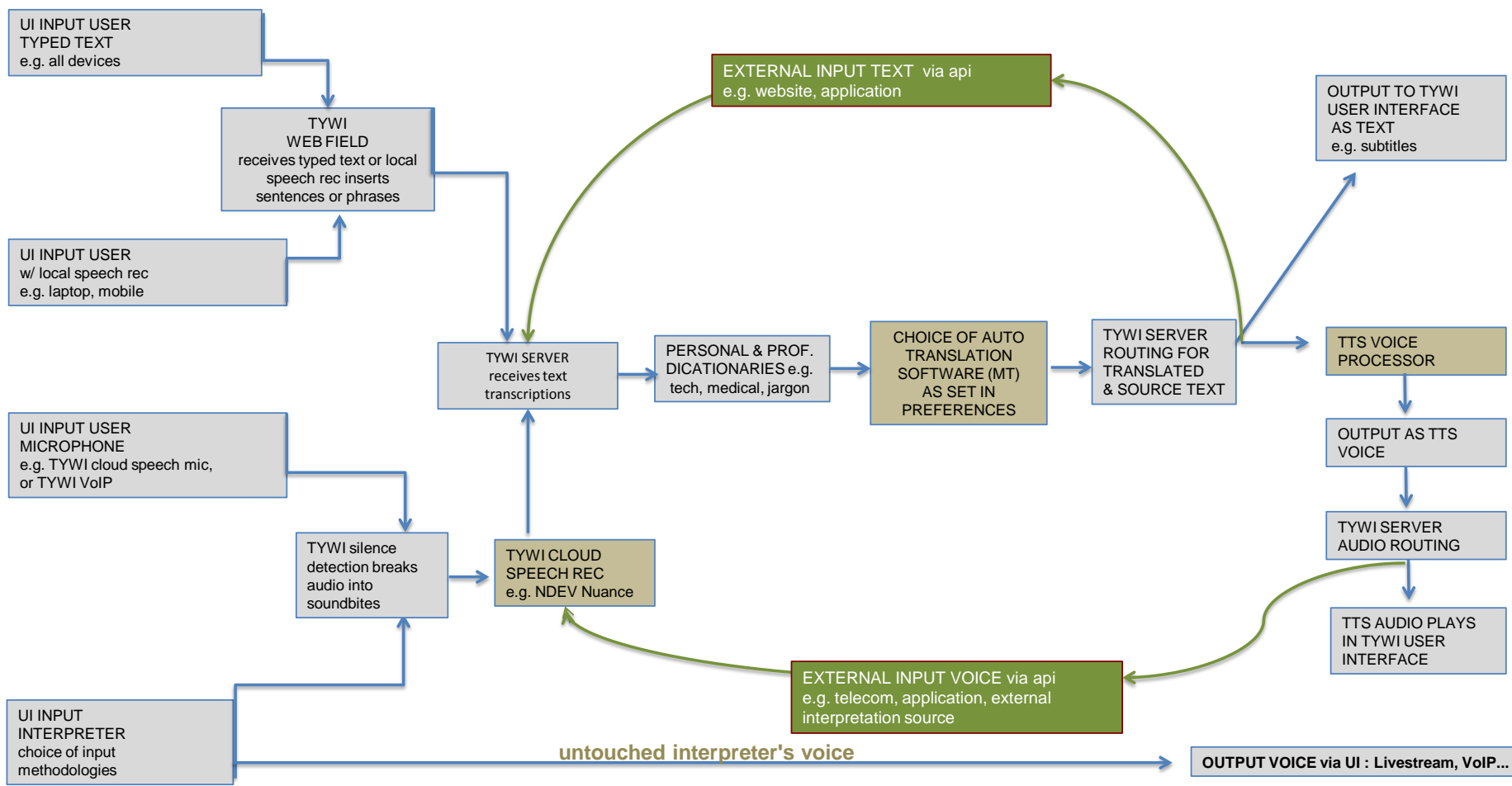
- Authentication
- Recognizer
- Vocalizer TTS

1. Client application invokes SDK
2. SDK captures request and encodes it
 - Might use End of Speech, if enabled
1. SDK Network Transport sends utterance to NVC Servers
2. NVC Server authenticates Client app
3. Recognizer/TTS processes request
4. NVC Server redirects response to Client
5. SDK processes response and sends to Client app
6. Client app plays/shows response



Cloud Translation Architecture

TYWI
3rd party software linked to TYWI
External client using api

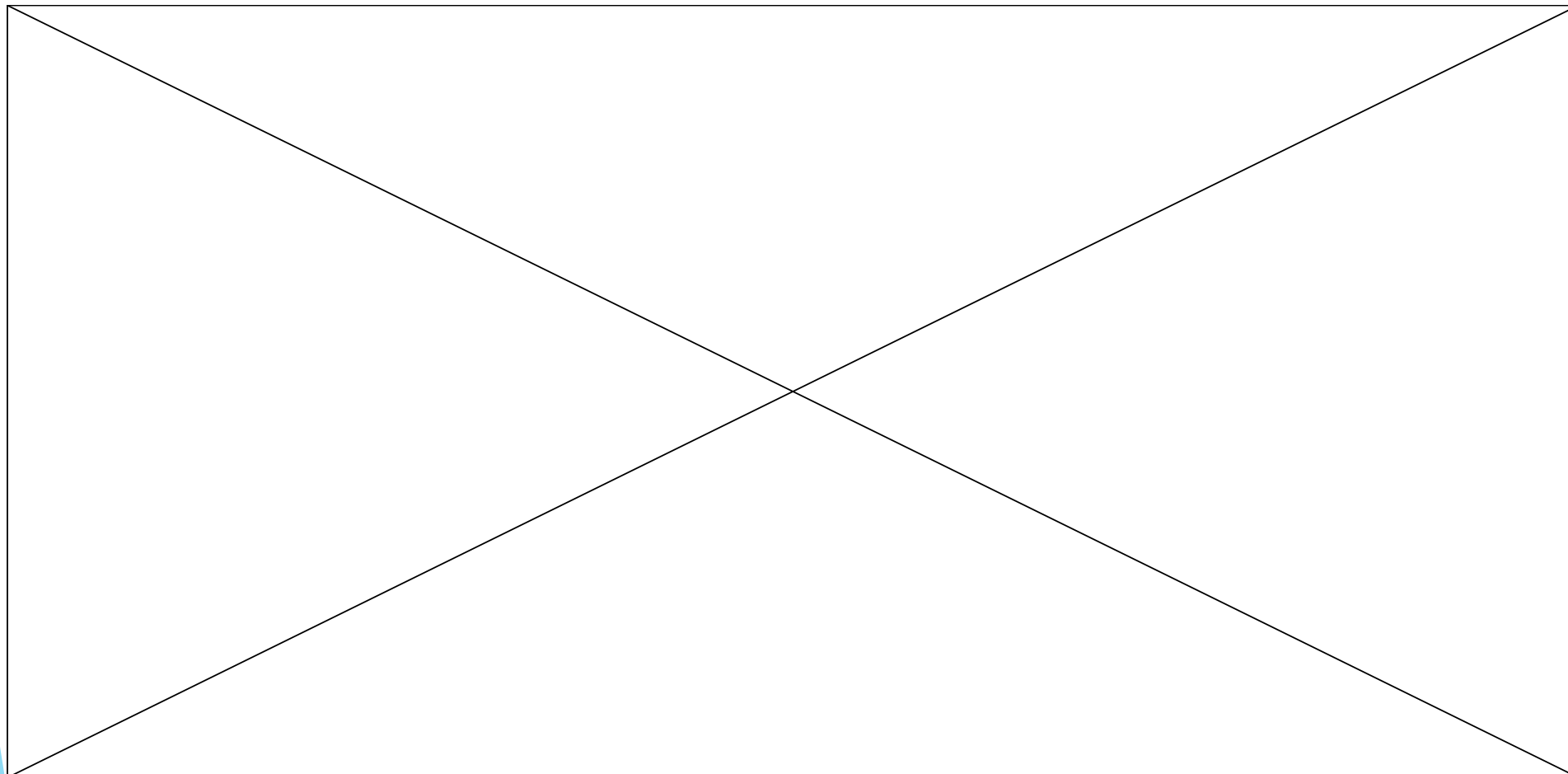


Machine Translation Market



TYWI Demo

<https://youtu.be/0GPmzH00LsE>



Talk Outline

- ▶ Future Speech Recognition Market Opportunities
- ▶ Define Cloud Translation
- ▶ Nuance NDEV and WebRtc
- ▶ Cloud Translation Architecture
- ▶ Video of TYWI in action
- ▶ Machine Translation a New Horizontal Market for Speech Technologies



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